

1 **ABSTRACT**

2 A system transmits data on a multi-conductor signal path, which produces a  
3 current flow based on the value of the data transmitted. The system reduces  
4 changes in current flow between successive data transmissions by encoding data  
5 values represented by sets of N bits to produce corresponding sets of M symbols.  
6 Each set of M symbols represents multiple bits and each set of M symbols is  
7 selected to produce a current flow within a predetermined range of current flows.  
8 The sets of M symbols are transmitted across the multi-conductor signal path.  
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